

I claim:

1. A decorative cover for smoke detectors and like devices mounted on a wall or ceiling

comprising,

a cover member consisting of a generally planer sheet of essentially opaque material of approximately the shape of the device it is covering and somewhat larger than the device to be covered, the outer surface of which cover may be selectively colored, patterned or decorated or left for decoration by a decorator or advertizer,

a plurality of resilient connector legs affixed to the inner side of the cover and extending toward the device to be covered in a pattern positioned to engage and deflect against selected distributed points of engagement on the device to be covered, and

cam surfaces at the free ends of the resilient legs positioned to be the surface of engagement and arranged to laterally deflect the respective legs when they contact and are moved against the distributed points of engagement so that frictional forces imposed by the resilience of the legs while deflected are directed to maintain frictional engagement at the respective points of engagement on the device to be covered due to the collective opposed forces of the distributed legs on the engagement points.

2. The decorative cover of claim 1 in which at least one of the legs is provided with a shoulder beyond the cam surface to act as a latch so that, when the shoulder passes the structure which provides the points of engagement, the resilience of the legs will urge the shoulder behind that structure in the nature of a latch so that each shoulder on each leg will be in position to oppose forces acting to remove the cover from the device.

3. The decorative cover of claim 2 in which all of the legs are provided with a similar latching shoulder at essentially the same location so that all legs may move to latch at essentially the same time.

4. The decorative cover of claim 1 in which cams are oriented to contact the points of engagement are selected to move each of the legs outwardly so that its resiliency urges it back inwardly.
5. The decorative cover of claim 3 in which there are at least 3 resilient legs.
6. The decorative cover of claim 5 in which three legs are employed and arranged in a circular configuration with their cams arranged so that a circular device will deflect the legs outwardly.
7. The decorative cover of claim 3 in which four legs are employed and arranged in a circular configuration with their cams arranged so that a circular device will deflect the legs outwardly.
8. The decorative cover of claim 1 in which the device to be covered and the cover are circular and the legs are arranged in a circular pattern.
9. The decorative cover of claim 1 in which the entire device is molded in one piece from a resinous material which in its finished form will retain its shape but provide sufficient resiliency to permit the legs to be deflected by and frictionally engage the device to be covered.
10. The decorative cover of claim 1 in which there are provided multiple sets of legs in which the legs of each set are spaced to fit over different sizes of device of the same general configuration, with legs for smaller configurations being within larger configurations, whereby, in a particular use, the unused legs that interfere with that use may be cut or broken off the decorative cover to avoid interference with placement of the decorative cover over the that device.